APPENDIX B-3:

CORRECTIVE ACTION ASSESSMENT WELL SCHEMATICS

"CTV III" STORAGE PROJECT

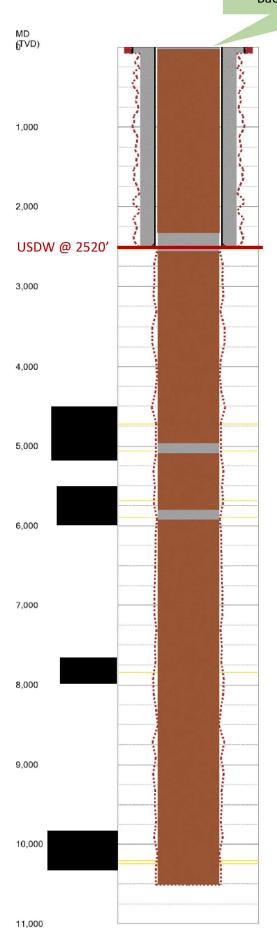
The following schematics provide depictions of the well(s) included in the Corrective Action Assessment in Attachment B: Area of Review and Corrective Action Plan. The Wellbore Diagrams illustrate the current condition of the well(s) along with the proposed corrected configuration required to isolate the injection zone associated with CTV III project.

Injection zone as well as corrective intervals have been indicated to illustrate required corrections. Proposed abandonment configurations show proposed cement plug depths to ensure confinement and non-endangerment of USDW. Cement plug descriptions have also been provided in tabular form.

Surface Conditions: Placed 10 sx Class G cmt in 9-5/8" at surface, cut off casing at bottom of cellar, weld on plate. Abandoned due to dry hole in well logs MD (TVD) Cmt Plug @ 0'-10' 1,000 2,000 USDW @ 2520' mt Plug @ 2,429'-2,611' **Potential Exposure** 3,000 of USDW with casing set at 2515' 4,000 **Potential Exposure** of Dissipation Zone 5,000 Dissipation Zone **Confining Layer** 6,000 Injection Zone 7,000 **Potential Brine Conduit** out of injection zone 8,000 through confining layer 9,000 10,000 11,000

Figure 1. CA Well , Current Configuration

Cut casing 5' below GL. Stamp and weld cap. Backfill and reclaim surface location.



Wells				
Plugs	Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	8.75	8.75	8.75	8.921
Bottom of tubing (ft)	5925	5087	2557	25
Cement Volume (sacks)	45	45	82	10
Slurry Volume (bbl)	9.22	9.22	16.79	2.05
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8
Top of plug (ft)	5800	4962	2332	0
Bottom of Plug (ft)	5925	5087	2557	25
Type of Cement	Class G	Class G	Class G	Class G
Method of placement	Balanced Plugs			

Figure 2. CA Well Proposed Abandonment Configuration

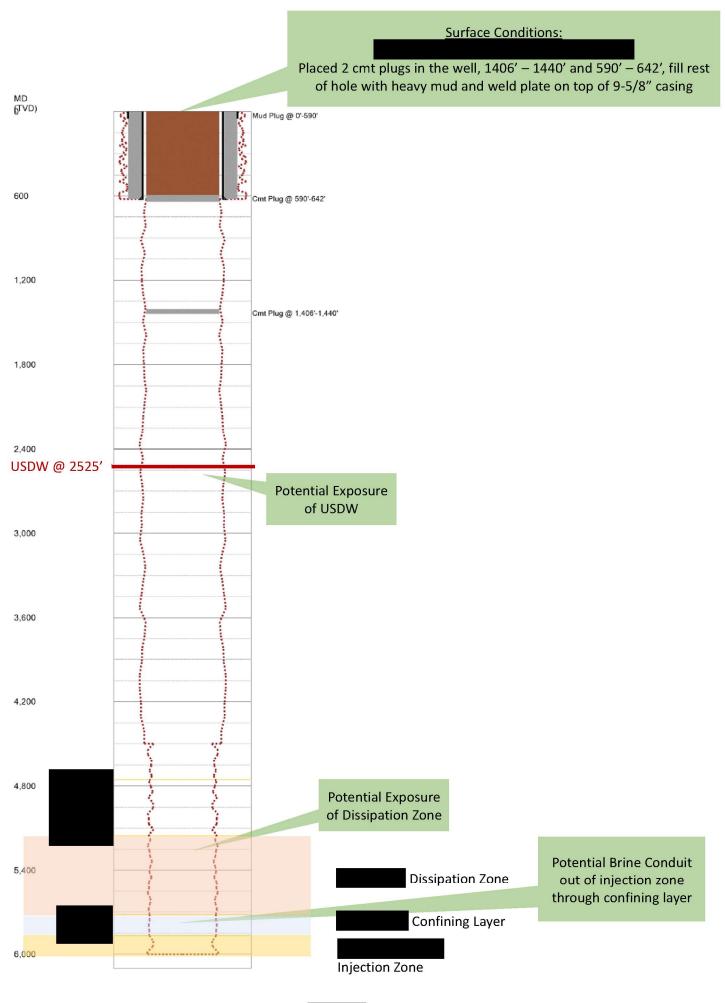
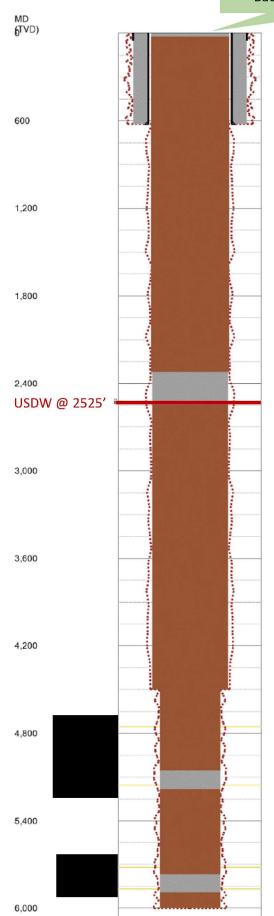


Figure 3. CA Well Current Configuration

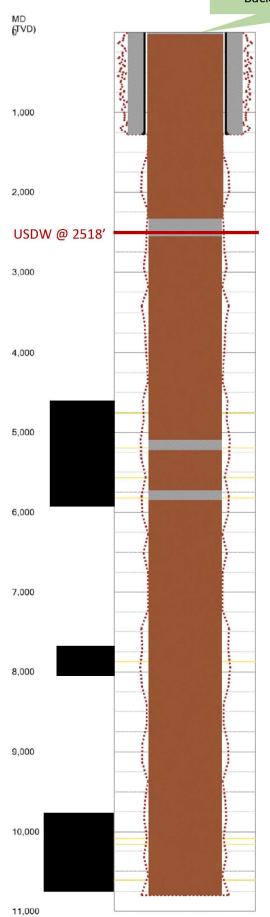


Wells					
Plugs	Plug 1	Plug 2	Plug 3	Plug 4	
Hole Size (in.)	8.5	8.5	10.625	11	
Bottom of tubing (ft)	5892	5178	2545	25	
Cement Volume (sacks)	43	43	120	14	
Slurry Volume (bbl)	8.81	8.81	24.58	2.87	
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8	
Top of plug (ft)	5767	5053	2320	0	
Bottom of Plug (ft)	5892	5178	2545	25	
Type of Cement	Class G	Class G	Class G	Class G	
Method of placement	Balanced Plugs				

Figure 4. CA Well , Proposed Abandonment Configuration

Surface Conditions: Placed 25 lineal foot surface cement plug inside 8-5/8' casing, welded steel cap on casing MD Cement Plug @ 0' - 10' があるからからなる 1,000 Cement Plug @ 1,176' - 1,430' 2,000 USDW @ 2518' **Potential Exposure** 3,000 of USDW 4,000 **Potential Exposure** of Dissipation Zone 5,000 **Dissipation Zone** Confining Layer **Potential Brine Conduit** 6,000 out of injection zone through confining layer Injection Zone 7,000 8,000 9,000 10,000 11,000

Cut casing 5' below GL. Stamp and weld cap. Backfill and reclaim surface location.



Wells				
Plugs	Plug 1	Plug 2	Plug 3	Plug 4
Hole Size (in.)	7.875	7.875	7.875	8.097
Bottom of tubing (ft)	5848	5221	2556	25
Cement Volume (sacks)	37	37	66	8
Slurry Volume (bbl)	7.58	7.58	13.52	1.64
Slurry Weight (lb/gal)	15.8	15.8	15.8	15.8
Top of plug (ft)	5723	5096	2331	0
Bottom of Plug (ft)	5848	5221	2556	25
Type of Cement	Class G	Class G	Class G	Class G
Method of placement	Balanced Plugs			

Figure 6. CA Well